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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	NEY DOCKET NO. CONFIRMATION NO.	
10/587,694	07/27/2006	Thomas Metz	2004DE102	D4DE102 7037	
25255 CLARIANT CO	7590 05/25/201 ORPORATION	EXAMINER			
	AL PROPERTY DEPA	WARD, PAUL V			
4000 MONROF CHARLOTTE,	=		ART UNIT	PAPER NUMBER	
			1624		
			MAIL DATE	DELIVERY MODE	
			05/25/2011	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	n No.	Applicant(s)				
		10/587,694		METZ ET AL.				
	Office Action Summary	Examiner		Art Unit				
		PAUL V. W	ARD	1624				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)	Responsive to communication(s) filed on 30 N	Jovember 20	10					
2a)								
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
٠,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
	·		y, ,					
Disposi	tion of Claims							
4) 🛛) Claim(s) 1-9 and 11 is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)🛛	5) Claim(s) <u>7-9</u> is/are allowed.							
6)🛛	Claim(s) 1-6 & 11 is/are rejected.							
7)	Claim(s) is/are objected to.							
8)	Claim(s) are subject to restriction and/o	or election re	quirement.					
Applicat	tion Papers							
9)	The specification is objected to by the Examine	er.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
/	Applicant may not request that any objection to the		-					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
, —	under 35 U.S.C. § 119							
-	Acknowledgment is made of a claim for foreigr	n priority und	or 35 S.C. & 110/a\	-(d) or (f)				
	D All b) Some * c) None of:	i priority und	er 00 0.0.0. g 1 19(a)	-(d) or (i).				
م	•—	te hava haan	ragaiwad					
	 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 							
	•				Ctoro			
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
	ce of References Cited (PTO-892)		4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application								
Paper No(s)/Mail Date 6) Other:								

Application/Control Number: 10/587,694 Page 2

Art Unit: 1624

DETAILED ACTION

STATUS OF THE CLAIMS: Claims 1-9 and 11 are pending in this application.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

1. Claims 1-6 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Friedrichsen (Heterocycles'1982.) in view of Matyjas et al. (AUTEX Research, Journal VOL. 3, No. 2'2003).

Applicant claims compounds and a composition comprising said compound of formula II:

wherein all the variables are defined in the claims, as mesoionic pigments.

Friedrichsen discloses mesoionic compounds which are known as pigments and dyes. Friedrichsen does not disclose that dimerization using a phenylene bridge, which results in an improvement in color.

Applicant teaches mesoionic compounds as pigments employing dimerization using a phenylene bridge, resulting in an improvement in color.

Matyjas discloses, on page 91, phenylene bridges in dyes.

It would be obvious t to modify the compounds of Friedrichsen by using a phenylene bridge as taught by Matyjas. One of ordinary skill in the art would have been motivated to modify the compounds of Friedrichsen to prepare the corresponding compounds and composition by Applicant, with reasonable expectation of obtaining a the compound and composition comprising the phenylene bridge. Such modification of the compound would have been obvious to the skilled chemist because the skilled artisan would have had the reasonable expectation of obtaining the compounds and composition.

Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

2. Claims 1-6 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Friedrichsen (Heterocycles'1982) in view of Hurter et al. (5,663,309).

Friedrichsen discloses mesoionic compounds which are known to as pigments and dyes. Friedrichsen does not disclose that dimerization using a phenylene bridge, which results in an improvement in color.

Applicant teaches mesoionic compounds as pigments employing dimerization using a phenylene bridge, resulting in an improvement in color.

Hurter teaches phenylene bridges in dyes. (See columns 1-5).

It would be obvious t to modify the compounds of Friedrichsen by using a phenylene bridge as taught by Hurter. One of ordinary skill in the art would have been motivated to modify the compounds of Friedrichsen to prepare the corresponding

Application/Control Number: 10/587,694 Page 4

Art Unit: 1624

compounds and composition by Applicant, with reasonable expectation of obtaining a the compound and composition comprising the phenylene bridge. Such modification of the compound would have been obvious to the skilled chemist because the skilled artisan would have had the reasonable expectation of obtaining the compounds and composition.

Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

Allowable Subject Matter

3. Claims 7-9 are in condition for allowance. The process in Claims 7-9 were not found to be obvious nor anticipated by the prior art of record. Thus, the prior art does not teach or suggest the presently claimed process. Therefore, these claims are allowed.

Conclusion

Claims 1-6 and 11 are rejected in this application. Claims 7-9 are allowed.

Application/Control Number: 10/587,694

Art Unit: 1624

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAUL V. WARD whose telephone number is (571)272-2909. The examiner can normally be reached on M-F 8 am to 4 pm.

Page 5

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PAUL V WARD/ Primary Examiner, Art Unit 1624